



CryoBio 13



Hot Gas Bypass Function



NFC Clocking-in Function



10-inch LCD Touch Screen

CryoBio Biobank Series Liquid Nitrogen Container

Scope of Application

Innovative design with advanced CryoSmart Pro control system for optimal sample security. It is ideal storage equipment for storing cord blood, tissue cells, biomaterials and so on to keep the activity of cell samples.

Innovative Design

- Innovative Frost-free Design.
- Real-time Level, Temperature Monitoring.

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Product Advantages



Ten-inch LCD touch screen

10-inch LCD touch screen, easy to operate. The storage life of charts and digital data records is up to 5 years.



Innovative frost-free design

Unique exhaust structure to avoid frost on the neck. Brand-new drainage structure to avoid internal water accumulation.



Safe and secure

Cryosmart Level Monitoring System ZJY-800N Pro, which supports fingerprint and NFC access, providing multiple safeguards for sample safety.



Auto-fill function

Manual and automatic liquid nitrogen filling modes available. With hot gas bypass function, the unit effectively reduces the temperature fluctuation in the tank when liquid nitrogen is filled, improving sample security.

Ergonomic Design

•Designed for both liquid and vapor phase storages

Vapour phase storage can reach -190°C

•Real-time run monitoring for sample protection

Real-time level, temperature monitoring

Remote alarm can also be made through APP, SMS, email, etc

•User-friendly design

Universal casters, easy to move, and equipped with brakes

The newly designed one-button pedal (CryoBio 43) and hydraulic opening cover make it easier to pick and place samples



Product Parameters

| Model | 2ml Vials (Internal Thread) | Freeze Rack (100 Wells) | Freeze Rack (25 Wells) | Layers of Each Rack | 5ml Vials (Internal Thread) | Freeze Rack (81 Wells) | Freeze Rack (25 Wells) | Layers of Each Rack | Volume of LN ₂ (L) |
|------------|--------------------------------|----------------------------|---------------------------|------------------------|--------------------------------|---------------------------|---------------------------|------------------------|----------------------------------|
| CryoBio 13 | 13000 | 12 | 4 | 10 | 5360 | 12 | 4 | 5 | 350 |

| Volume of LN ₂ Under the Tray (L) | Operating Height (mm) | Usable Interna Height (mm) | Inside Neck Diameter (mm) | Height (mm) | Outside Diameter (mm) | Door Width Requirements (mm) | Empty Weight (kg) | Full Weight (kg) |
|--|-----------------------------|-------------------------------|---------------------------------|----------------|-----------------------------|------------------------------------|----------------------|---------------------|
| 55 | 990 | 600 | 326 | 1505 | 910 | 930 | 290 | 575 |

Blood Bag Capacity



| Model | CryoBio 13 | | |
|--------------------|------------------|-------------|-------------|
| Bag Specifications | Total No.of Bags | Rack Layers | No.of Racks |
| 25ml (791 OS/U) | 1176 | 6 | 196 |
| 50ml (4R9951) | 720 | 6 | 120 |
| 250ml (4R9953) | 264 | 3 | 88 |
| 500ml (DF-200) | 168 | 3 | 56 |
| 500ml (4R9955) | 144 | 3 | 48 |
| 700ml (DF - 700) | 96 | 3 | 3 |

Product List



| Model | Product | Product Model | Description and Accessories |
|---------------------|------------------------------|---------------|---|
| CryoBio 13 (13K) | Biobank Freezer (Smart type) | CryoBio 13 | Includes vacuum isolated hose (GRG-DN10/2.0). 4 pcs of 10-tier rack (5*5). 12 pcs of 10-tier rack (9*9). 40pcs of cryo boxes (5*5) for 2ml vial, 120pcs of cryo boxes (9*9) for ml vial, 1 set of cryosmart (level monitoring system) |
| | Biobank freezer | CryoBio 13 | Includes vacuum isolated hose (GRG-DN10/2.0) and 1 set of cryosmart (level monitoring system) |
| | Rack (vertical type) | FDCJ-25-10 | Used for storing 5*5 cryoboxes (2ml), ten layers in total, suitable for YDD-350/550/1300 (excluding cryoboxes) |
| | Rack (vertical type) | FDCJ-81-10 | Used for storing 9*9 cryoboxes (2ml). ten layers in total. Suitable for YDD-350/550/1300 (excluding cryoboxes) |
| | Plastic cryo box | FH-25 | Used for storing 1.8ml/2ml vial (25 holes) |
| | Plastic cryo box | FH-81 | Used for storing 1.8ml/2ml vial (81 holes) |
| | Plastic cryo box | FH-100 | Used for storing 1.8ml/2ml vial (internally threaded, 100 holes) |

*Haier Biomedical reserves the right to change products and specifications without prior notice.